VOLUME 33 CONTENTS

Vol. 33, No. 1

S. Wang	1	Dynamic Simulation of a Building Central Chilling System and Evaluation of EMCS On-line Control Strategies
L. Pasqualetto, R. Zmeureanu and **P. Fazio**	21	A case study of validation of an energy analysis program: MICRO-DOE2.1E
M. J. Ren and **J. A. Wright**	43	A ventilated slab thermal storage system model
O. S. B. Al-Amoudi	53	Sulfate attack and reinforcement corrosion in plain and blended cements exposed to sulfate environments
L. C. Labaki and **D. C. C. K. Kowaltowski**	63	Bioclimatic and vernacular design in urban settlements of Brazil

Vol. 33, Nos. 2–3

R. P. Leslie	79	A simple cost estimation technique for improving the appearance and security of outdoor lighting installations
A. C. Megri, G. Achard and **F. Haghighat**	97	Using plastic waste as thermal insulation for the slab-on-grade floor and basement of a building
Z. Hatush and **M. Skitmore**	105	Contractor selection using multicriteria utility theory: an additive model
J. H. Salazar Trujillo	117	Solar performance and shadow behaviour in buildings. Case study with computer modelling of a building in Loranca, Spain
P. F. Kaming, P. O. Olomolaiye, G. D. Holt and **F. C. Harris**	131	What motivates construction craftsmen in developing countries? A case study of Indonesia
T. Y. Bong, H. Xue and **H. C. Liew**	143	Predicting window condensation potential for a large viewing gallery
C. Y. Chun and **A. Tamura**	151	Thermal environment and human responses in underground shopping malls vs department stores in Japan
A. A. Al-Rawas and **M. Qamaruddin**	159	Construction problems of engineering structures founded on expansive soils and rocks in northern Oman

Vol. 33, No. 4

E. H. Mathews and **D. T. Claassen**	173	Problems with the T-method
D. G. Proverbs, G. D. Holt and **P. O. Olomolaiye**	181	A comparative evaluation of planning engineers' formwork productivity rates in European construction
L. Bellia, V. Betta and **F. Cascetta**	189	Description of velocity fields in front of exhaust axisymmetric inlets by means of new empirical equations
F. Engdahl	197	Evaluation of Swedish ventilation systems
Y. Chen and **Z. Chen**	201	Transfer function method to calculate moisture absorption and desorption in buildings

N.-J. Shih, W.-C. Wu and **E. Yao** — 209 The development of DAZACAD—an exploration of a theoretical building model in practice

H. I. Al-Abdul Wahhab and **J. Hasnain** — 219 Laboratory study of asphalt concrete durability in Jeddah

M. A. E. Saleh — 231 Actual and perceived crime in residential environments: a debatable discourse in Saudi Arabia

C. Pettang and **T. Tamo Tatietse** — 245 A new proposition for the curbing of spontaneous housing in urban area in Cameroon

E. Ben Hagan and **H. N. A. Wellington** — 253 The promotion of access legislation—a developing country perspective from Ghana

259 Announcements

Vol. 33, No. 5

F. Haghighat and **L. De Bellis** — 261 Material emission rates: literature review, and the impact of indoor air temperature and relative humidity

C. Inard, A. Meslem and **P. Depecker** — 279 Energy consumption and thermal comfort in dwelling-cells: a zonal-model approach

S. Raeissi and **M. Taheri** — 293 Optimum overhang dimensions for energy saving

M. Y. Chan, J. Burnett and **W. K. Chow** — 303 Energy use for ventilation systems in underground car parks

N. E. Altas and **A. Özsoy** — 315 Spatial adaptability and flexibility as parameters of user satisfaction for quality housing

D. W. Etheridge — 325 A note on crack flow equations for ventilation modelling

329 Calendar

Vol. 33, No. 6

V. V. Krylov and **C. C. Ferguson** — 331 Contamination of indoor air by toxic soil vapours: the effects of subfloor ventilation and other protective measures

M. Tang and **Q. Chen** — 349 Thermal analysis of ground floor

C. Yu and **D. Crump** — 357 A review of the emission of VOCs from polymeric materials used in buildings

H. I. Al-Abdul Wahhab, I. A. Al-Dubabe, I. M. Asi and **M. F. Ali** — 375 Performance-based characterization of Arab asphalt

I. Chand, P. K. Bhargava and **N. L. V. Krishak** — 385 Effect of balconies on ventilation inducing aeromotive force on low-rise buildings

S. C. Sekhar and **J. Y. Chung** — 397 Energy simulation approach to air-conditioning system evaluation

409 Calendar

I Volume Contents and Author Index for Volume 33, 1998